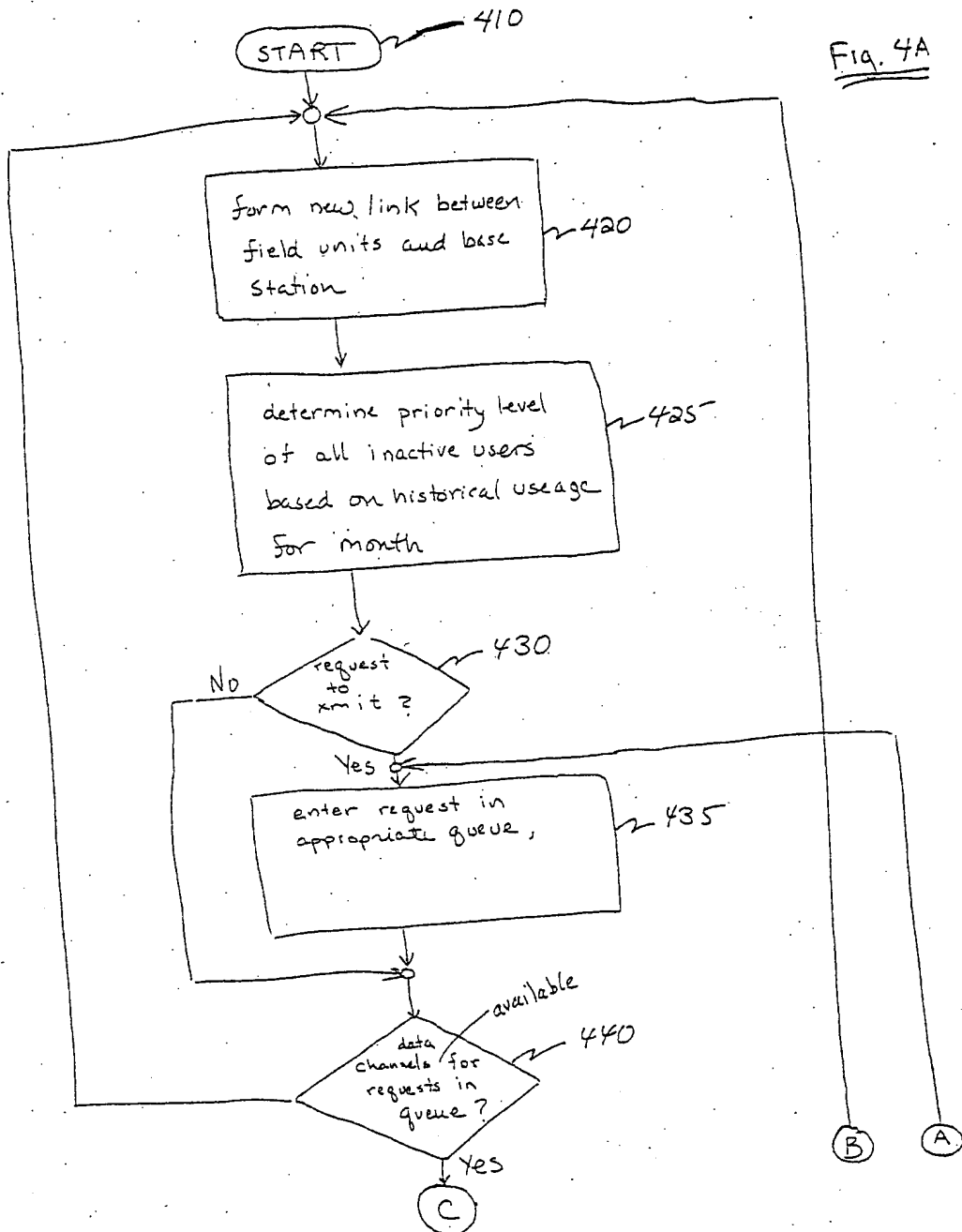


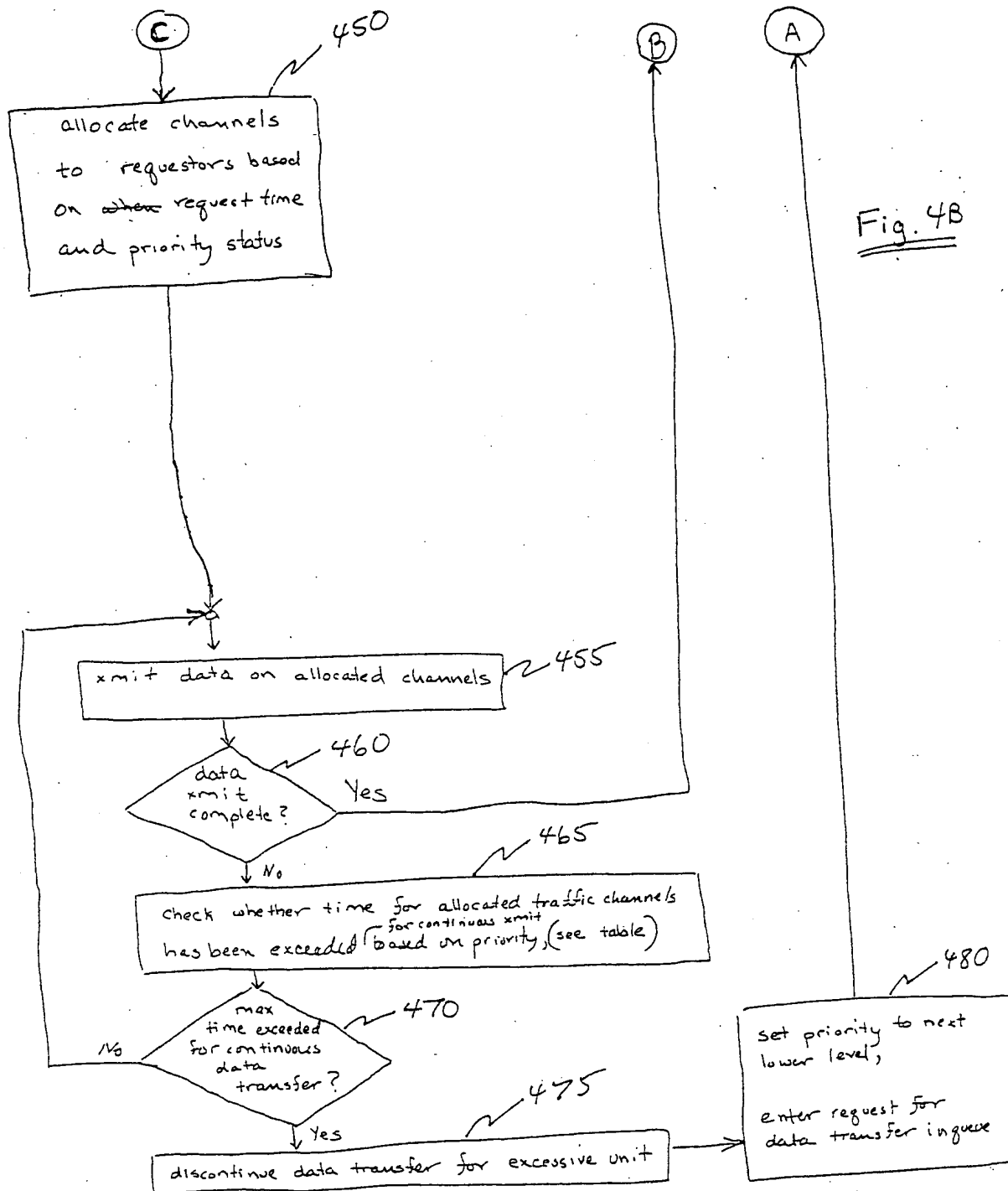
Fig. 2

<u>Priority Level</u>	<u>Max. time for continuous transfer</u>
1	600 seconds
2	120 seconds
3	30 seconds

Fig. 3

Fig. 4A





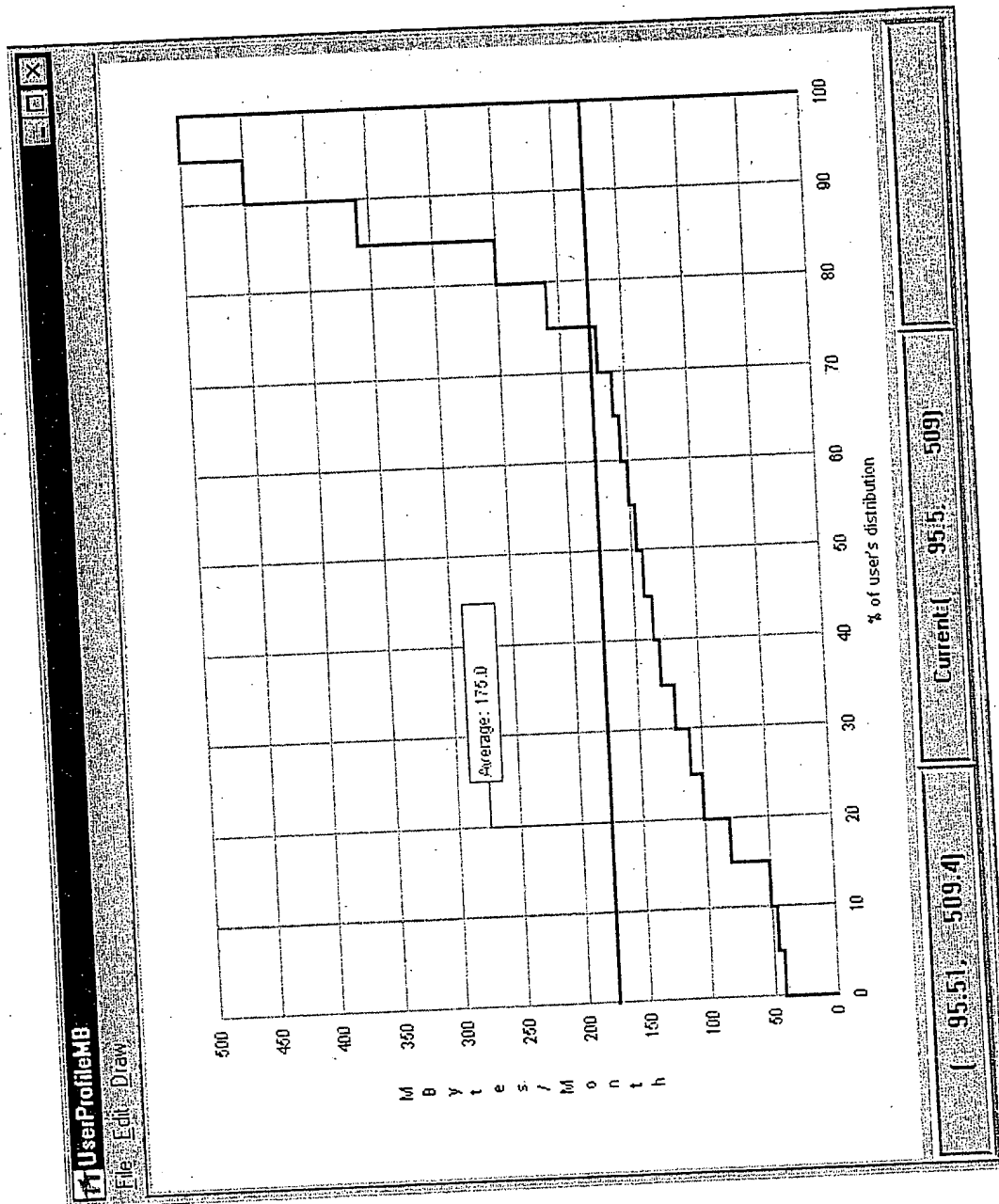


FIG. 5

Application	Unit of Work	Estimated units per month (during peak load time, given an acceptable speed)	Unit size in Kilobytes	Monthly volumes (Megabytes during peak load time)	Acceptable speed (kps - Forward)	Acceptable Speed (kps - Reverse)	Theoretical Response time for unit (seconds)
Short Messages	Message	100	0.1	0.01	14	14	0.06
WAP and short e-mail	Message	200	0.2	0.04	14	14	0.11
e-mail	Letter	200	1	0.20	28	28	0.29
e-mail with attachments (Send&Receive)	Letter	50	200	10.0	128	128	12.50
Web Browsing (articles, text information, etc.)	Page	300	20	6.0	128	28	1.25
Web Browsing (e-bay, news, searching products, etc.)	Page	800	50	40.0	256	28	1.56
Web Downloads (programs, Applications)	Program	4	5000	20.0	384	56	104.17
Distant Learning	Lesson	4	3000	12.0	256	128	N/A
MP3 downloads and sharing	Song	8	4000	32.0	384	384	83.33
Internet radio	Minute of listening	200	480	96.0	64	28	N/A
Videoconferencing	Minute of session	50	2880	172.8	384	384	N/A

FIG. 6

Peak usage graph

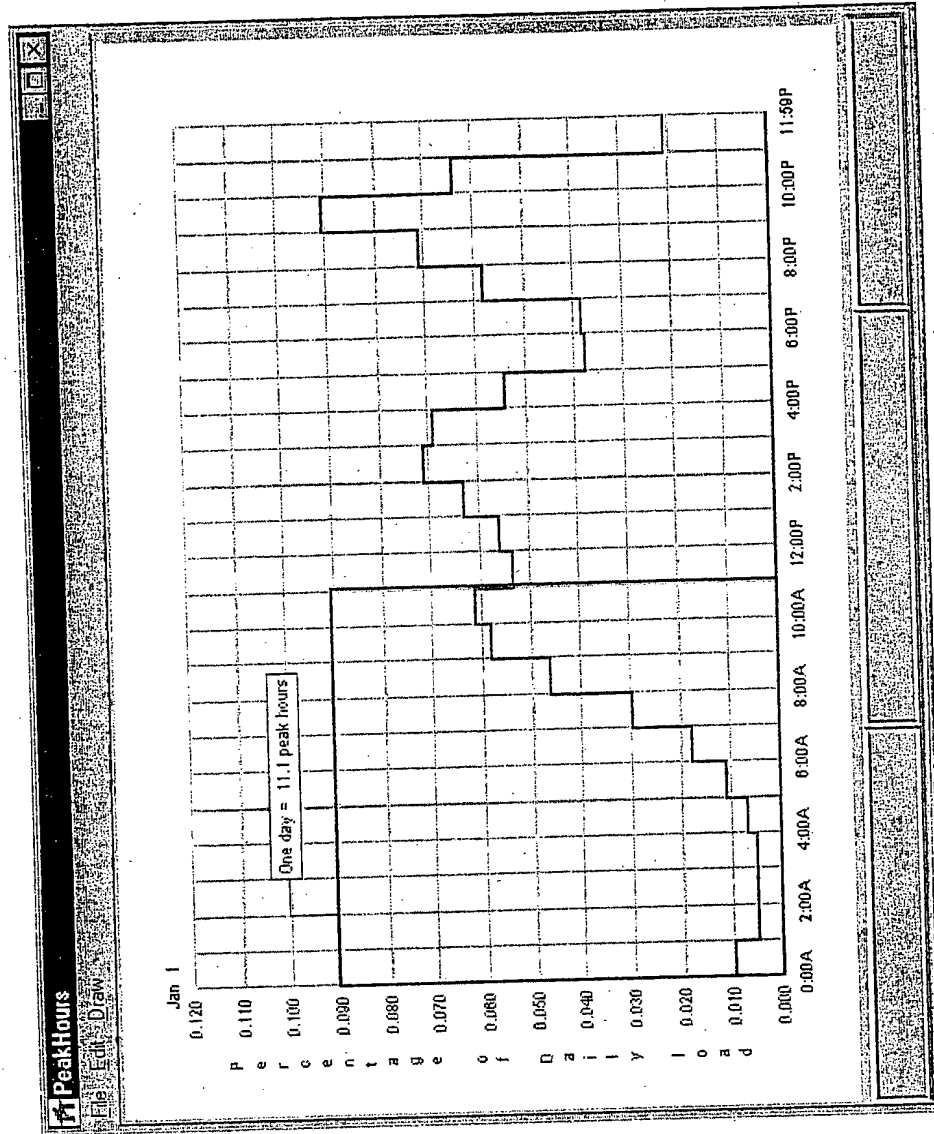


FIG. 7

Quality Of Service Estimator

1/5 Average

Main | Impairment Factor | User Distribution | Peak Hour Load

Page Size (Kilo Bytes)	65	N. of Subscribers	75
Network RTT (sec)	0.7	Initial Allotment (MB)	10
Pipe Size (Mbps)	0.4	End of Month Allotment	170
Pipe Efficiency (%)	0.55	Sessions Per Day	1
Max Avg Speed per S	168	<input type="checkbox"/> Hash ISP Birthdays	

FIG-8

Example for User # 52

App No.: 09/778,478
 Title: Grade of Service and Fairness ...
 Inventors: Carlo Amalfitano

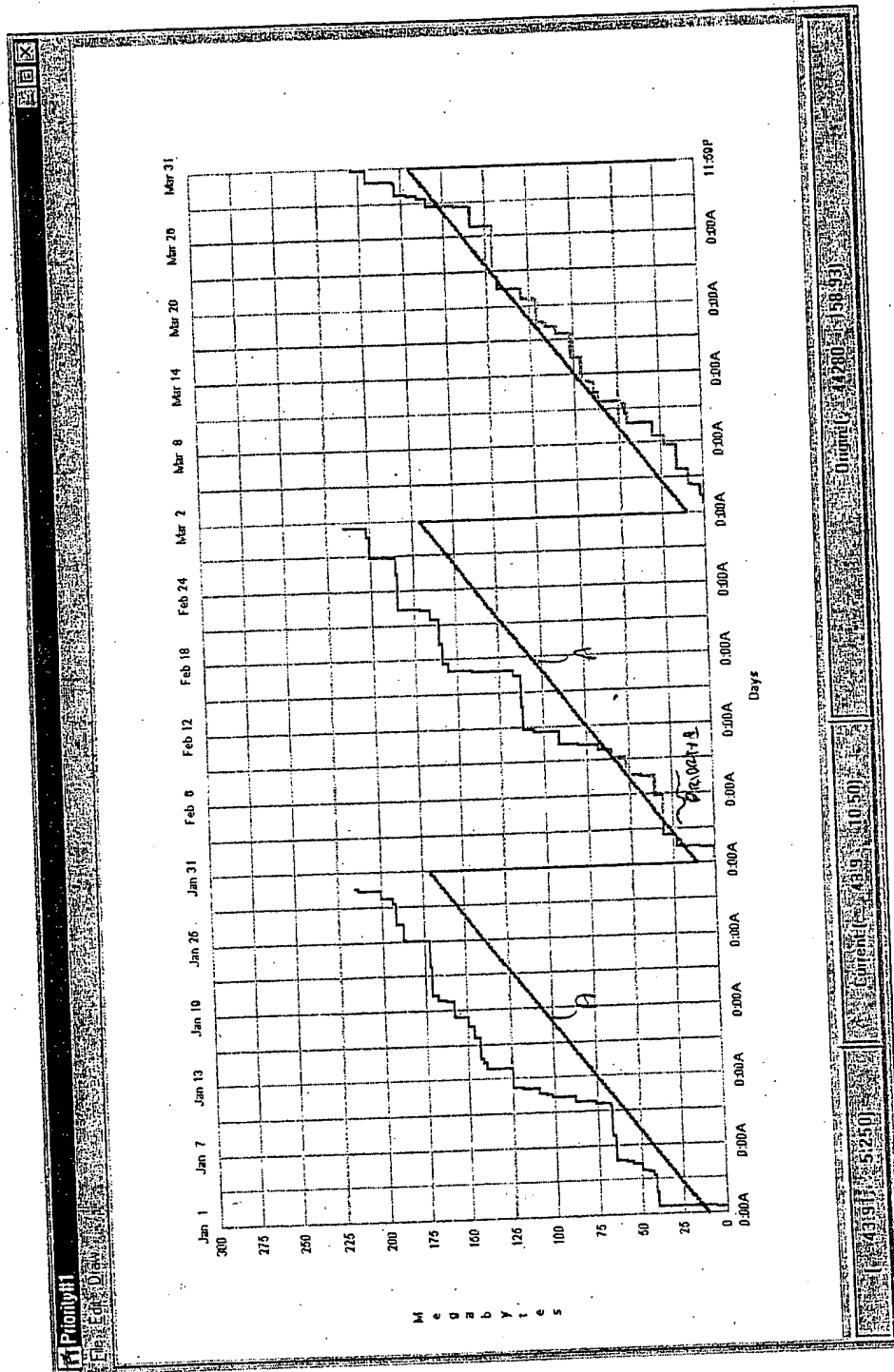


Fig. 9

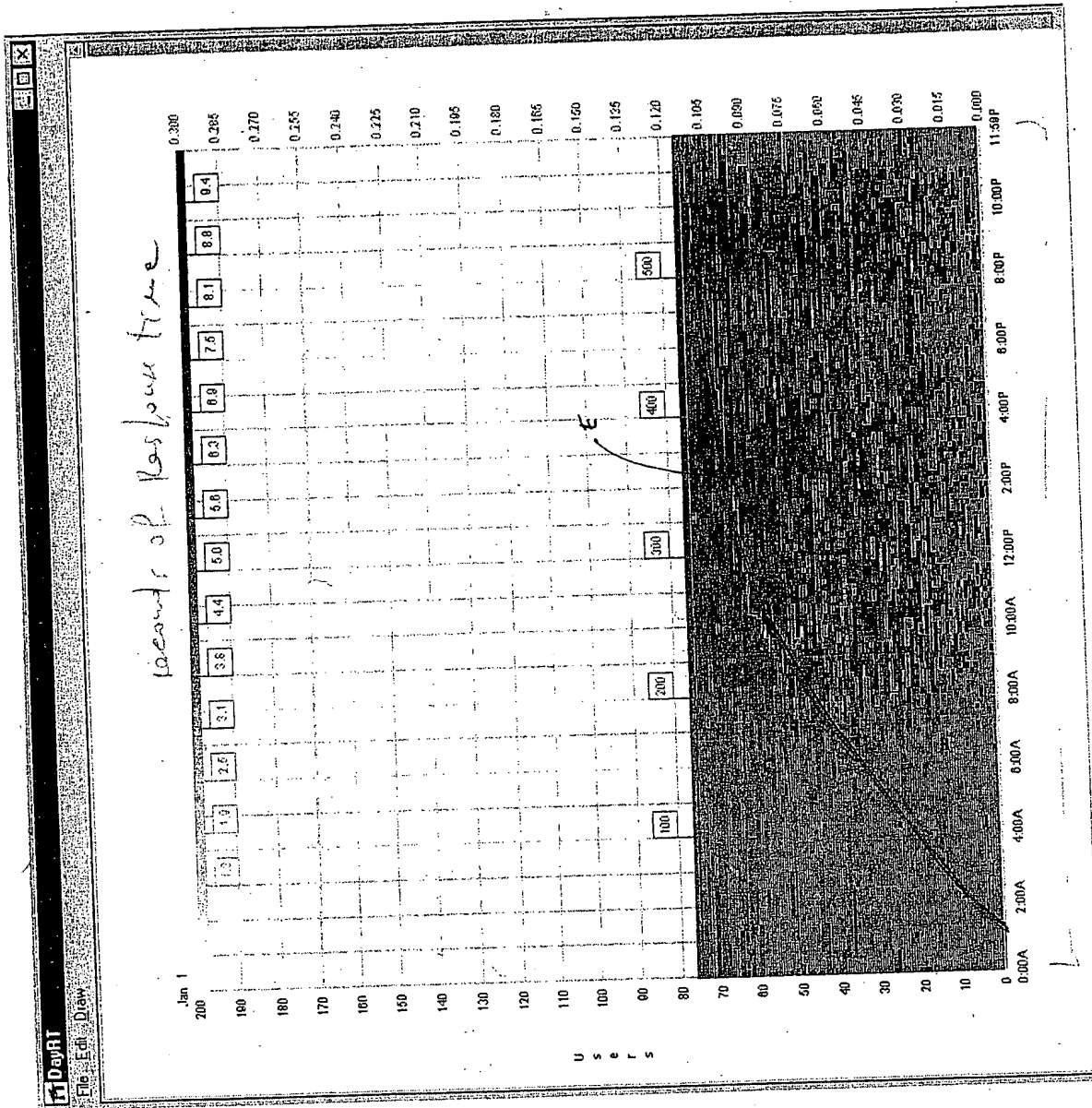


FIG. 10

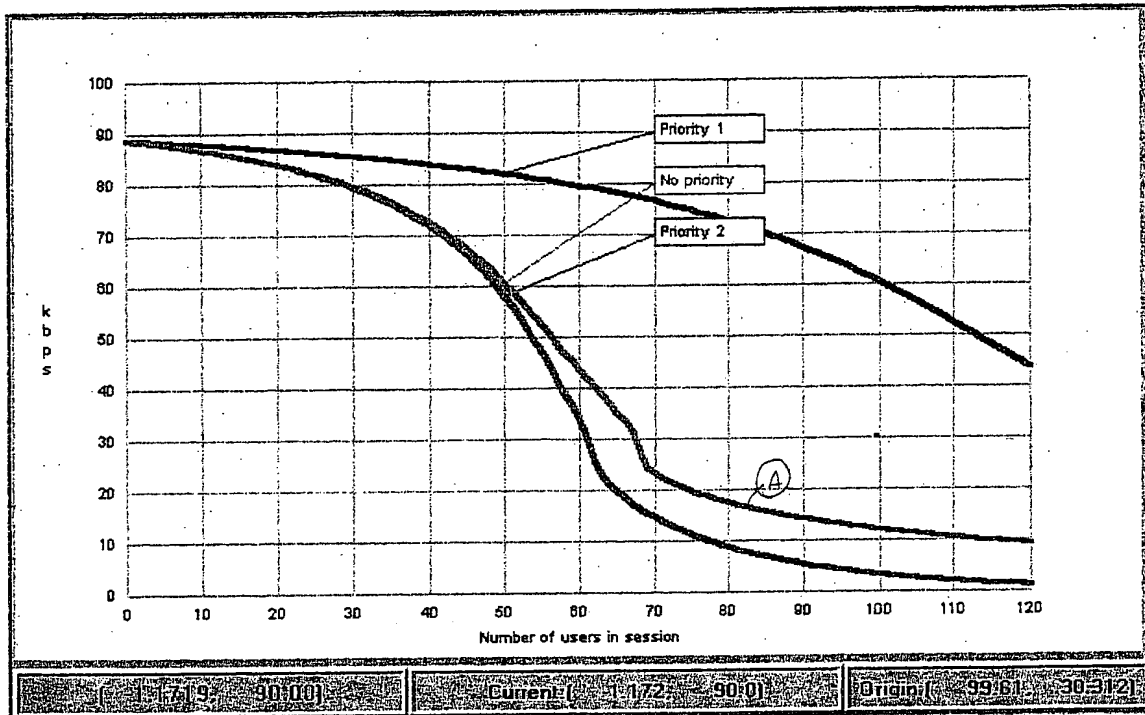


FIG. 11